

Translation of  
Unexamined Utility Model Published Application S59-47152

[Claim For Utility Model Registration]

(1) A backlash absorbing structure comprising  
a worm wheel;  
a worm which meshes with said worm wheel; and  
a driving power source connected to said worm, wherein a  
member to be driven is rotated by transmitting a rotation  
force to said worm wheel through said worm,  
said backlash absorbing structure being characterized in  
that a spring member is provided for urging said worm against  
said worm wheel.

(2) The backlash absorbing structure as recited in the claim  
for utility model registration, wherein an eccentric cam for  
adjusting the position of said worm is provided so that the  
engagement amount of the mesh between said worm and said worm  
wheel is variable.

Translation of  
Unexamined Utility Model Published Application S60-191758

[Claim For Utility Model Registration]

A worm type reduction apparatus comprising: a worm wheel;  
a worm which meshes with this worm wheel; and a transmission  
shaft which connects the worm and a steering wheel and  
transmits the rotation of the steering wheel to said worm,  
said worm type reduction apparatus being characterized in that  
the transmission shaft is provided with a flexible portion  
which is located between said steering wheel and said worm and  
capable of being elastically deformed, and that urging means  
is provided for urging said worm against said worm wheel by a  
constant force.

⑩ 公開実用新案公報 (U) 昭60-191758

④Int.Cl. 1  
E 16 H 55/24  
1/16

識別記号 厅内整理番号  
8012-3J  
7331-3I

④公開 昭和60年(1985)12月19日

審查請求 未請求 (全2頁)

## ◎考案の名称 ウォーム式減速機

②突 頤 昭59-79728

出願 昭59(1984)5月30日

岐阜県不破郡垂井町岩手751の62  
岐阜県不破郡垂井町平尾697の2  
大垣市駅町東2丁目59  
大坂市西区江戸堀1丁目9番1号

## ⑥実用新案登録請求の範囲

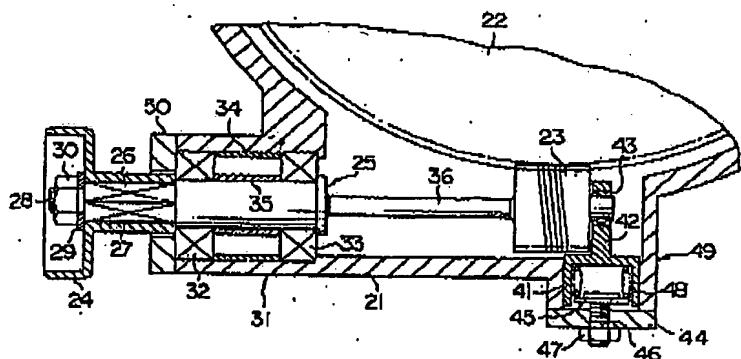
ウォームホイールと、このウォームホイールに噛み合うウォームと、ウォームと操作ハンドルとを連結し操作ハンドルの回転をウォームに伝達する伝達軸と、を備えたウォーム式減速機において、前記操作ハンドルとウォームとの間の伝達軸に弾性変形する挿部を設けるとともに、前記ウォームをウォームホイールに向かつて一定力で押しつける押付手段を設けたことを特徴とするウォーム式減速機。

### 図面の簡単な説明

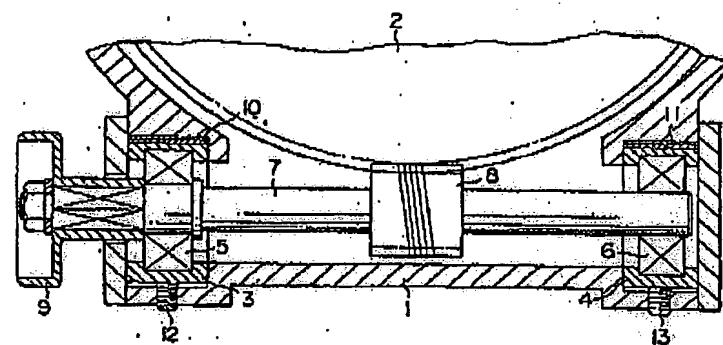
第1図はこの考案の一実施例を示すその要部断面図、第2図は従来のウォーム式減速機の要部断面図、第3図はこの考案の他の実施例を示すウォーム近傍の断面図、第4図は第3図のA-A矢視断面図である。

22…ウォームホイール、23…ウォーム、24…操作ハンドル、25…伝達軸、36…擣部、49、60…押付手段。

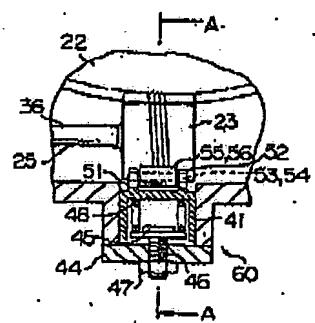
第1圖



第2図



第3図



第4図

